

Section 922—Electrical Wire and Cable

922.1 General Description

This section includes the requirements for electrical conductors, wire, and cable.

922.1.01 Related References

A. Standard Specifications

General Provisions 101 through 150.

B. Referenced Documents

National Electrical Code

922.2 Materials

922.2.01 Electrical Wire and Cable

A. Requirements

1. Conductors

Unless otherwise specified, use conductors that meet the following requirements:

- Are made of copper
- Are the size and type shown on the Plans
- Meet the requirements of the National Electrical Code
- Have the appropriate identification on the outer jacket.

NOTE: Do not use conductors not meeting this requirement or with illegible identification.

2. Wire and Cable

Use wire and cables that have the following requirements:

- a. Are new without kinks or other defects when installed
- b. Are single conductor or multi-conductor with one of the following types:
 - RHH/RHW/USE 90/75 °C
 - RHW, USE, THW, XHHW, or THWN 75 °C
 - RHH, XHHW, or THHN 90 °C
- c. Use insulation for 600 volts as indicated on the Plans.

3. Underground Cable

Use underground wire that meets the following requirements:

- Be rot and vermin proof
- Be the proper size
- Be a type recommended by the cable manufacturer for direct burial in earth

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

General Provisions 101 through 150.

D. Materials Warranty

General Provisions 101 through 150.